

# Von Duprin

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**ETERNAL  
VIGILANCE**



# Von Duprin

(TRADE MARK Reg. U.S. Pat. Off., No. 85021)

## SELF RELEASING FIRE EXIT DEVICES

The Only Drop Forged Brass and Bronze Devices on the Market

**Note:** The items in this brochure represent about 30% of the Von Duprin Line. It contains, in condensed form, data that will meet more than 90% of your actual requirements. For additional panic devices write for detailed catalog, or call your nearest Von Duprin representative. (See front page.)

### Only When You Buy VON DUPRIN A<sup>2</sup> or B<sup>2</sup> DEVICES, Do You Get the Following Features

These devices, embodying every refinement known in panic device construction, include:

All exterior formed members of drop forged brass or bronze.

All interior parts of drop forged bearing metal.

All cross bars double acting with X-bar reinforcement.

Double Acting: a slight pressure against, or pull up, on the crossbar will withdraw the latch bolt from its housing.

Heavy Pullman Latch Bolts have 3/4-in. throw with easy spring action and pivoted on monel metal axles. (Extra quick release eliminates binding of bolt in strike.)

Dual-Adjustable Roller Strike with anti-friction bronze roller.

Double Compression Springs of phosphor bronze operate within enclosed housings.

Ball Compensating Vertical Rod Connections, eliminating binding induced through warping, buckling, shrinking and swelling doors.

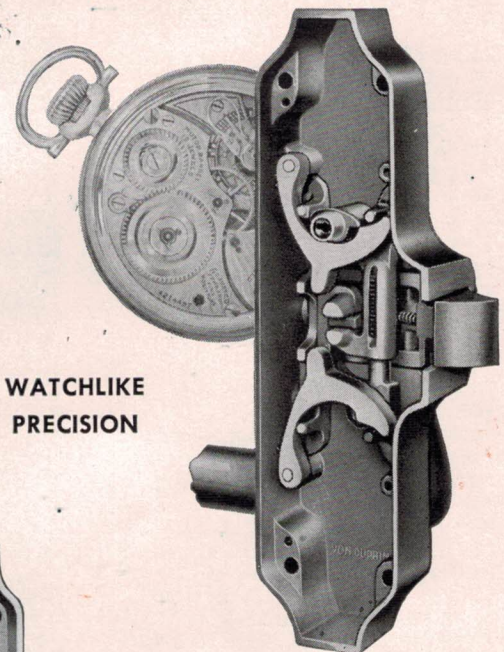
Case Hardened Steel Sleeves for lever arm axles and cam pins.

Lever Arms supported by 1/2-in. diameter Floating Axles.

Dogging Feature at each end of the crossbar with a Direct Drive into the lever arms makes the crossbar a solid unit with the lock-case and the hinged end case.

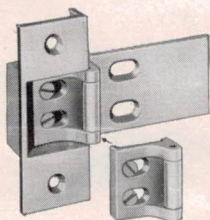
Sex Bolts furnished regularly for Wood, Kalamein or Tin Clad Doors.

Every Device Listed and Approved by Underwriters' Laboratories.



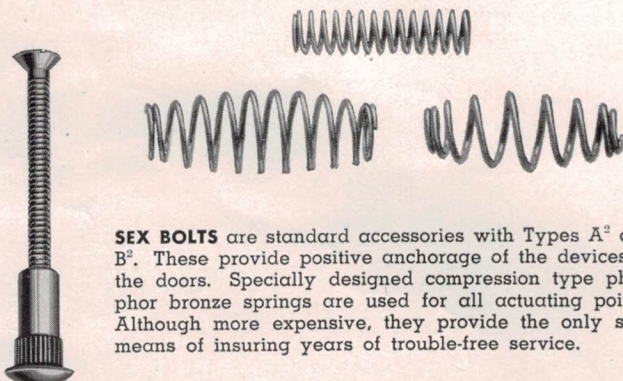
WATCHLIKE  
PRECISION

TYPE A<sup>2</sup> RIM

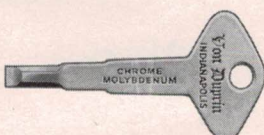


DUAL ADJUSTABLE ROLLER STRIKE IS  
STANDARD

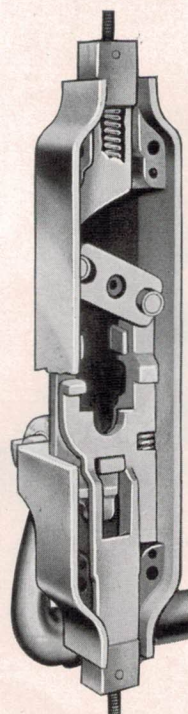
No. 1405 is standard on A<sup>2</sup> Rim Devices, assures positive engagement of latch bolt even though the door may shrink, swell, warp or bow.



**SEX BOLTS** are standard accessories with Types A<sup>2</sup> and B<sup>2</sup>. These provide positive anchorage of the devices to the doors. Specially designed compression type phosphor bronze springs are used for all actuating points. Although more expensive, they provide the only sure means of insuring years of trouble-free service.



**DOGGING KEYS** furnished with Von Duprin devices are drop forged from heat treated chrome molybdenum alloy. Hexagonal tips provide long lasting wear-resisting operation of the dogging feature.

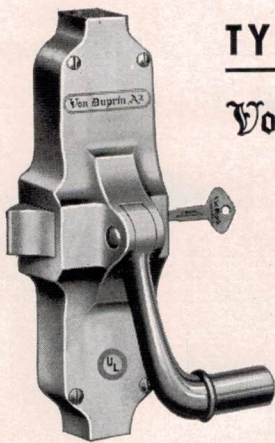


TYPE B<sup>2</sup>



This mark identifies  
X-BAR reinforcement  
for extra  
crossbar strength.  
Regular with  
Types A<sup>2</sup> and B<sup>2</sup>





## TYPE A² MASTER TYPE—Non Competitive

### Von Duprin Fully Drop Forged Rim Devices For Use with Type B² Devices

**FOR SINGLE DOORS  
AND DOUBLE DOORS  
WITH MULLIONS**

For  
Accident



Hazard

#### Description of the Unit Parts

Type A² is the Highest Quality Self-Releasing Exit Device with rim latch and lock and is ideally suited for first class schools and public buildings. It is designed to give the balanced appearance heretofore obtainable only in mortise lock devices and is engineered to include every desirable feature required in exit device operation. Backsets are included to center outside trim on stiles of various widths.

#### Construction Features of Type A² Include:

Double Acting: a slight pressure against, or pull up, on the crossbar will withdraw the latch bolt from its housing. Crossbar with X-bar reinforcement.

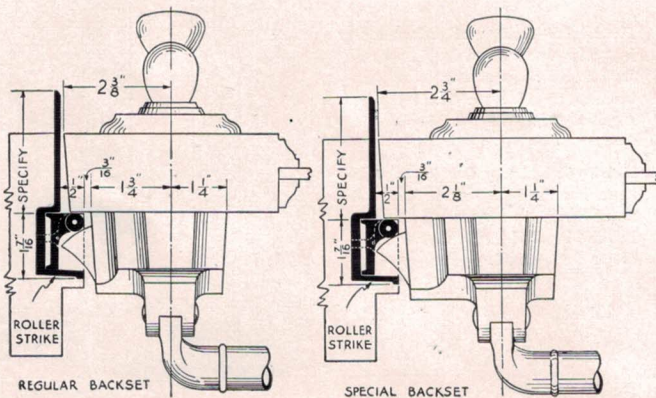
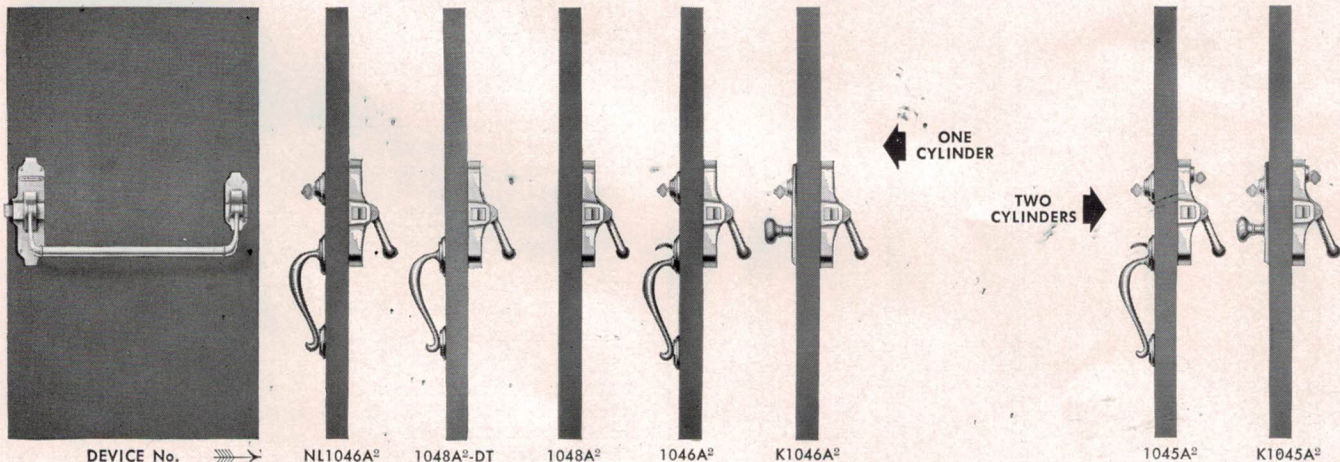
Heavy Pullman Latch Bolt has 3/4-in. throw with easy spring action and pivots on monel metal axle. (Extra quick release eliminates binding in jamb strike.)

Dual-Adjustable Roller Strike No. 1405J (see page 2) with anti-friction bronze roller on monel metal axle.

Double Compression Springs. Enclosed housings. Dogging Feature at each end of the crossbar with a Direct Drive into the lever arms makes the crossbar a solid unit with the lockcase and the hinged end case. Sex Bolts furnished regularly for Wood, Kalamein or Tin Clad Doors.



#### ONE AND TWO CYLINDER TYPES AVAILABLE



**DETAILS OF JAMB, DOOR STILE & TRIM—Showing Backsets with Dimensions which govern minimum width of stile.**  
For Application on Double Entrance Doors with No. 1254 Mullion, See page 4. Detail dimensions of Type A² devices are shown below for regular and special backsets.

	REGULAR	SPECIAL
Backset latch face to center of lever	1 3/4 in.	2 1/8 in.
Backset of trim when stop is 1/2 in.	2 3/8 in.	2 3/4 in.
†Outside trim will center on stiles	5 in. wide	5 1/2 in. wide
†Minimum stile width using regular trim	4 1/8 in. wide	4 1/2 in. wide
Lock case—Width	3 in.	3 3/8 in.
Lock case—Length	9 3/4 in.	
Lock case—Depth	1 1/4 in.; at stress point 1 3/4 in.	
Hinged end case	5/8 x 2 in., depth 1 1/8 in.	
Crossbar tubing: 1 in. O.D.		

Roller strike No. 1405J has adjustable feature to compensate for warping and swelling doors—furnished to fit 1/2-in. stop unless otherwise specified. (Illustrated on page 2.) Also available for 1/8-in. and 3/8-in. stops.

†When stop is 3/8 in. or less.  
NOTE: In estimating the backset of trim always take into consideration the fact that the lock sets back from edge of door to clear stop or rabbet.

#### How Above Devices Are Operated

No. NL1046A² Latch bolt is operable from inside by crossbar at all times—from outside by key only. When crossbar is dogged door is push and pull.

No. 1048A²-DT Latch bolt is operable only from inside by crossbar. When crossbar is dogged door is push and pull.

No. 1048A² Latch bolt is operable only from inside by crossbar.

No. 1046A² Latch bolt is operable—from inside by crossbar at all times—from outside by thumb-piece (except when same is set by key through outside cylinder). When crossbar is dogged door is push and pull.

No. K1046A² Latch bolt is operable from inside by crossbar at all times—from outside by knob (except when same is set by key through outside cylinder). When crossbar is dogged door is push and pull.

No. 1045A² Latch bolt is operable from inside by crossbar at all times—from outside by thumb-piece (except when same is set by key through inside cylinder), then by key through outside cylinder. When crossbar is dogged door is push and pull.

No. K2045A² Latch bolt is operable from inside by crossbar at all times—from outside by knob (except when same is set by key through inside cylinder), then by key through outside cylinder. When crossbar is dogged door is push and pull.

#### Suggested Specifications

Each single exterior/interior door shall be equipped with

- 1 Von Duprin device NL1046² (for one door on each elevation or battery)
- 1 Von Duprin device 1048A²-D.T. (for all other doors).
- 1 Von Duprin Weather and Stumble Proof Threshold 12390.

When double doors with Von Duprin removable mullions are used specify as follows:

- 1 Von Duprin Removable Mullion 1254.
- 1 Von Duprin device NL1046A².
- 1 Von Duprin device 1048A²-DT.
- 1 Von Duprin Weather and Stumble Proof Threshold 12390.

If clear double door openings are desired, specify Von Duprin Type B² Vertical Rod Devices (see page 4).



# Von Duprin

## TYPE A

### "STANDARD"

#### Bronze Rim Devices

For Use with Type X Devices

FOR SINGLE DOORS  
AND DOUBLE DOORS  
WITH MULLIONS

For  
Accident



Hazard

## "Frame Pattern" Extruded Aluminum REMOVABLE Mullion No. 1254

*Architecturally designed  
to harmonize  
with door frame.*



For use with VON DUPRIN Type "A" or "A2" Rim Devices and VON DUPRIN Thresholds to provide single door operation on double doors.

Removing only 2 machine screws releases side clamp on top fitting and permits removal of mullion to give clear double door opening.

Attachment screws for fittings are concealed.

\*Body—2¼" x 3½" x 8'-0" overall.

\*Note: Mullion body can be furnished 10'-0" long to special order when floor to soffit stop is more than 8'-1".

Top Fitting—2¾" x 3½" x 1½"

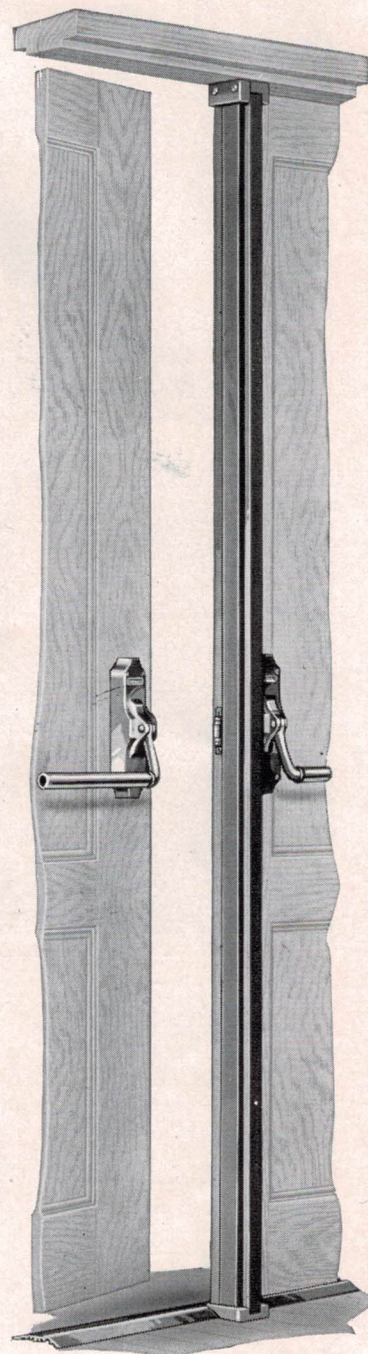
Bottom Fitting—2¾" x 3½" x 1½"

Complete with screws.

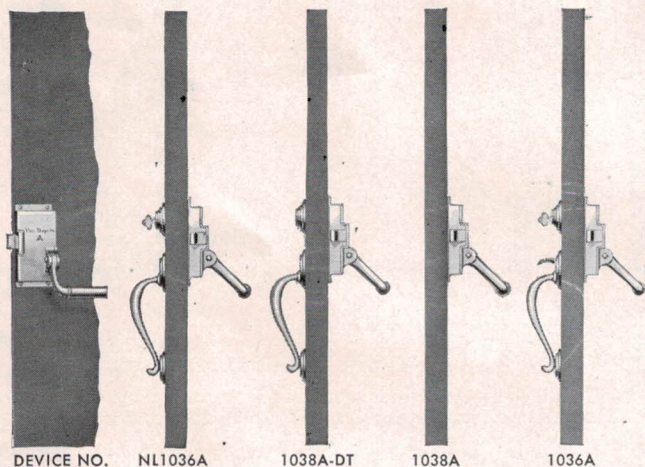
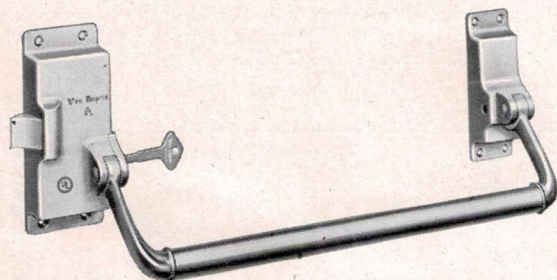
Mullion is drilled and tapped to receive the strikes which are included with the Devices as shown below.

**Materials**—Body of aluminum is hollow extruded having wall ⅛" thick with strength equivalent to 12 ga. steel and stiffness equivalent to 14 ga. steel.

**Finish**—Regularly furnished maroon bronze lacquered. Can be furnished to special order: brushed dull aluminum and clear lacquered.

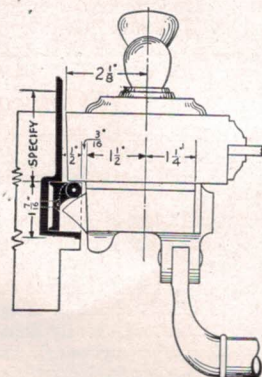


**General Description**—These devices are recommended for buildings of average type. Features are as follows: ¾ in. throw quick action latch, compression springs, ½ in. dia. floating axles, crossbar and lever arms are a solid unit. A High Grade Standard Device with extruded bronze latch bolt, drop forged lever arms, dogging feature at each end of crossbar.



#### Details and Data for Type A "STANDARD"

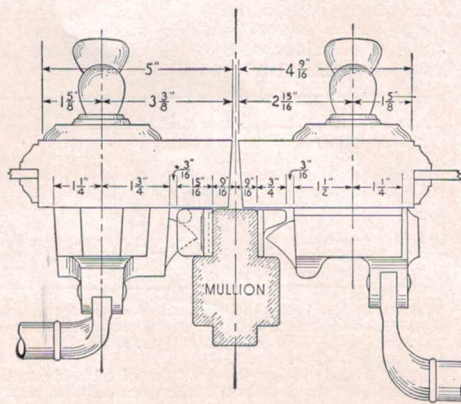
Lock case 7 x 2¾ in. overall.  
Hinge stile case 6 x 2 in. overall.  
Backset 2½ in. when ½ in. stop is used.  
Minimum width of stile, 3¾ in.  
Crossbar tubing 1 in. O.D.  
Roller Strike No. 1405J has dual-adjustable feature to compensate for door warping, buckling and swelling. (See page 2.)



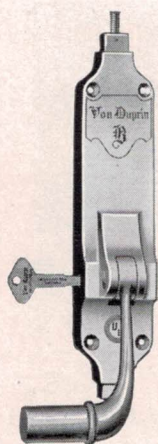
#### Suggested Specifications

Each single exterior/interior door shall be equipped with  
1 Von Duprin device NL1036A (for one door on each elevation or battery).  
1 Von Duprin device 1038A-D.T. (for all other doors).  
1 Von Duprin Weather and Stumble Proof Threshold 12390.  
When double doors with Von Duprin removable mullions are used, specify as follows:  
Each pair of exterior/interior doors shall be equipped with  
1 Von Duprin Removable Mullion 1254.  
1 Von Duprin device NL1036A.  
1 Von Duprin device 1038A-D.T.  
1 Von Duprin Stumble Proof Threshold 12390.  
If clear double door openings are desired, specify Von Duprin Type X Vertical Rod Devices (See page 6).

**Details show**—Relation of mullion to door stile and panic device, also minimum width of stile. Left half indicates application of type A<sup>2</sup> device and right half type A device.







## TYPE B<sup>2</sup> MASTER TYPE—Non Competitive ★

### Von Duprin Fully Drop Forged

Vertical Rod Surface Applied Devices

#### General Description

The Highest Quality Device—ideally suited for first class schools and public buildings.

Features include: double acting crossbar supported on ½ in. dia. floating axles; top and bottom Pullman type latch bolts with independent action and ¾-in. throw pivoted on monel metal axles; ball compensating vertical rod connections; dogging feature at each end of crossbar; steel bushings on cam pins and axles; crossbar and lever arms are a solid unit; sex

bolts are furnished for attaching all housings to door. Crossbar with X-bar reinforcement.

#### Sizes:

Lock stile center case, 9 x 2 in.  
Hinge stile case, 5½ x 2 in.  
Top and bottom hinged latch cases, 4 x 2 in.  
Vertical rods, ¾ in. dia.  
Crossbar tubing, 1 in. o.d.

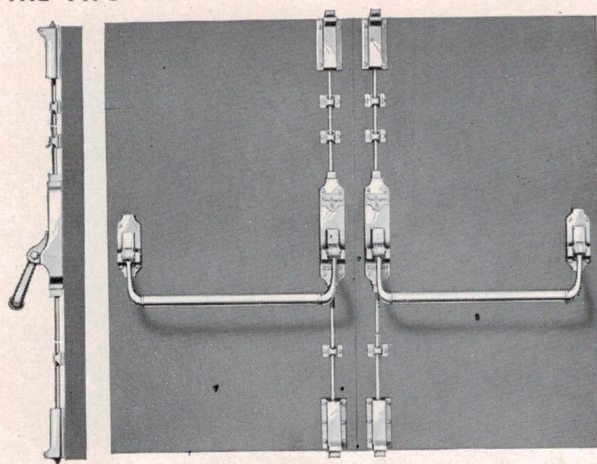
**FOR DOUBLE DOORS**  
**—Where Threshold is Used**

For  
Accident



Hazard

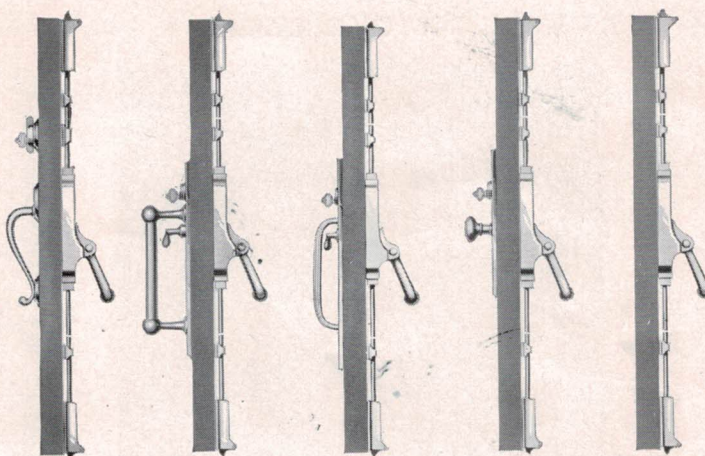
#### THE TWO VERTICAL ROD COMBINATION



1127B<sup>2</sup> ← INACTIVE DOOR

Inside Elevation

ACTIVE DOOR →



FNL1123B2

1123B<sup>2</sup> x 2660

1123B<sup>2</sup> x 2668

1123B<sup>2</sup>

1127B<sup>2</sup>

NL (Night Latch Action)—see below

#### UNITS OF COMBINATIONS

Combination	Inactive Door	Active Door
FNL11B <sup>2</sup>	1127B <sup>2</sup>	FNL1123B <sup>2</sup>
011B <sup>2</sup>	1127B <sup>2</sup>	1123B <sup>2</sup> x 2660
0011B <sup>2</sup>	1127B <sup>2</sup>	1123B <sup>2</sup> x 2668
11B <sup>2</sup>	1127B <sup>2</sup>	1123B <sup>2</sup>
15B <sup>2</sup>	1127B <sup>2</sup>	1127B <sup>2</sup>

\*For single door use type A<sup>2</sup> Devices (see page 3).

For Underwriters' Labeled Doors (see page 8).

Where no threshold is used, LR Feature must be used.

Specify by using prefix LR as LR-FNL11B<sup>2</sup>, etc. (see page 6).

#### SUGGESTED SPECIFICATIONS

Each pair of doors shall be equipped with

- 1 Von Duprin Combination FNL11B<sup>2</sup> with dummy trim NL2620R-DT (for one opening on each elevator or battery).
- 1 Von Duprin Combination 15B<sup>2</sup> with two dummy trims NL2620R-DT (for all other openings).
- 1 Set Van Duprin Compensating Astragal Hardware 1246 (furnish one set of application and adjusting wrenches).
- 1 Von Duprin Weather and Stumbleproof Threshold 12394.

#### FNL Control

The Von Duprin "FNL" (Floating Night Latch) Outside Cylinder Control.

All outside cylinder controls on Von Duprin Vertical Rod Devices shown in this catalog with prefix "FNL" have Floating Night Latch action.

All mechanism, for Operating and Locking Vertical Rod Devices from outside, is contained within cylinder collar.

Uses standard Rim Cylinder.

Operation Top and bottom bolts are operable—from inside at all times by crossbar—from outside by winged levers only when key is in cylinder and given a quarter turn. Key cannot be removed until levers are returned to normal position, thus assuring door being locked when key is not in the door. Jimmy Proof—When key is withdrawn from cylinder, the cylinder ring with the winged levers is freed to revolve. When crossbar is dogged door is push and pull.

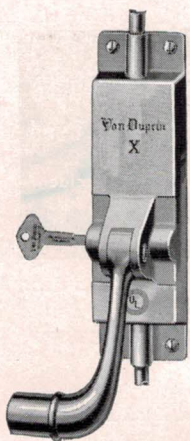
#### Locking Controls for Vertical Rod Devices Having Terminals "23"

All mechanism for Operating and Locking Vertical Rod Devices from outside of door is contained within the center case of the device. Operation—Top and bottom bolts are operable, from inside by crossbar at all times—from outside by knob or lever except when same is set by key. Rim cylinder is used.

**Night Latch Action**—Can be furnished (at no extra charge) on any Vertical Rod Device listed with Terminal "23". To specify use prefix "NL" as NL1123B2.

Operation—Top and bottom bolts are operable—from inside at all times—from outside by lever or knob only when key is in the cylinder and given a half turn. When key is removed the lever or knob is rigid. When crossbar is dogged door is push and pull.





## TYPE X STANDARD Von Duprin

### Semi-Drop Forged

Vertical Rod Surface Applied Devices

#### General Description

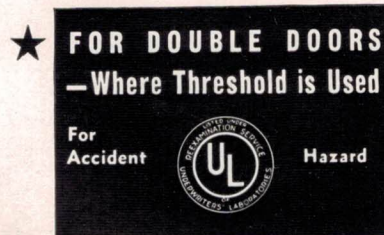
A High Grade Standard all Brass or Bronze Device incorporating many of the important features found only in non-competitive grade units. Among these features are:

Drop forged lever arms, interior cams, top and bottom latch case assemblies, rod guides and standard exterior trim; 1/2 in. dia. floating lever arm axles; crossbar and lever arms are a solid unit; top and bottom pullman type latch bolts with independent ac-

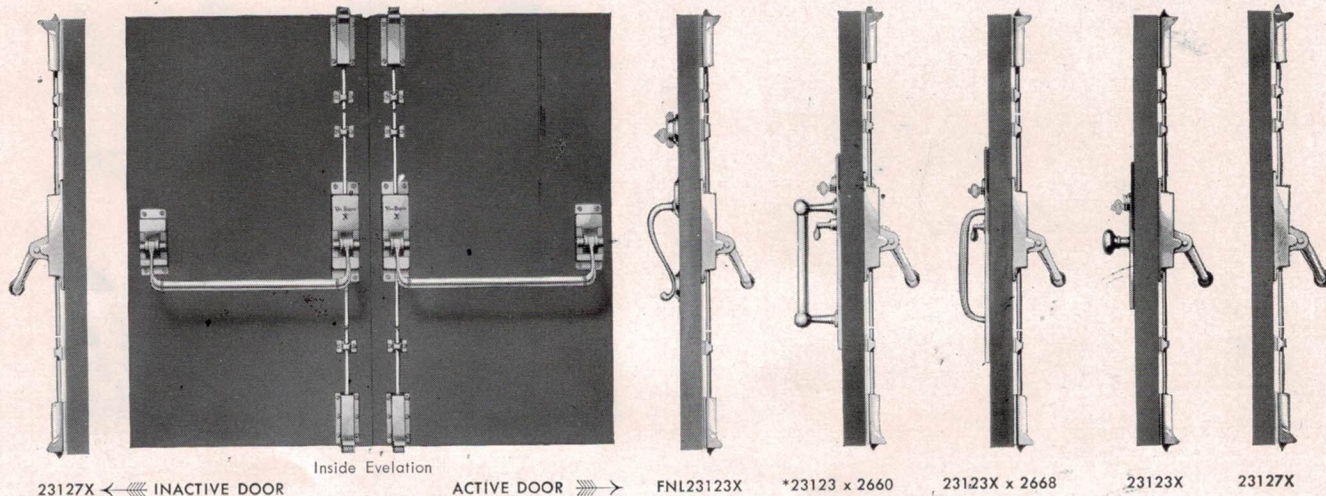
tion, and 3/4 in. throw pivoted on monel metal axles; dogging features at each end of crossbar.

#### Sizes:

Lock stile center case, 8 x 2 1/4 in.  
Hinged stile case, 5 3/8 x 2 1/4 in.  
Vertical latch cases, 4 x 2 in.  
Vertical rods, 3/8 in. dia.  
Crossbar tubing, 1 in. o.d.



### THE TWO VERTICAL ROD COMBINATION



NL (Night Latch Action)—see page 5

#### UNITS OF COMBINATIONS

Combination	Inactive Door	Active Door
FNL231X	23127X	FNL23123X
0231X	23127X	23123X x 2660
00231X	23127X	23123X x 2668
231X	23127X	23123X
235X	23127X	23127X

\*For single door use Type A "Standard" devices (see page 4).  
For Underwriters' Labeled Doors (see page 8).  
Where no threshold is used, LR Feature must be used.  
Specify by using prefix LR as LR-FNL231X (see below).

#### SUGGESTED SPECIFICATIONS

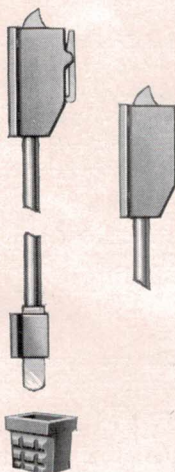
Each pair of doors shall be equipped with

- 1 Von Duprin Combination FNL231X with dummy trim NL2620R-DT (for one opening on each elevation or battery).
- 1 Von Duprin Combination 235X with two dummy trims NL2620R-DT (for all other openings).
- 1 Set Von Duprin Compensating Astragal Hardware 1246 (finish one set of application and adjustable wrenches).
- 1 Von Duprin Stumbleproof Threshold 12394.

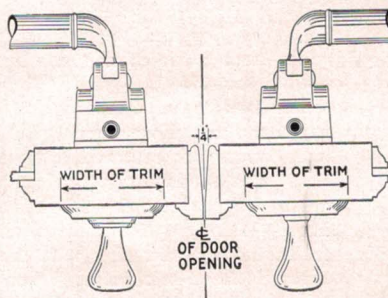
#### Where No Threshold Is Used

"LR" (Latch retraction) feature is required on all Vertical Rod Devices. There may be certain double door openings (as interior doors) where a smooth continuous floor is desired. This requires flush type bottom strike sunk flush into the floor and requires a dead bolt instead of latch bolt at bottom of door. The top latch bolt is then supplied with a retracting feature to hold the bolts retracted during the travel of door, and when doors are closed the automatic trip permits top and bottom bolts to engage the strikes.

To specify use prefix "LR" as LR1127B<sup>2</sup>, LR23127X, etc.



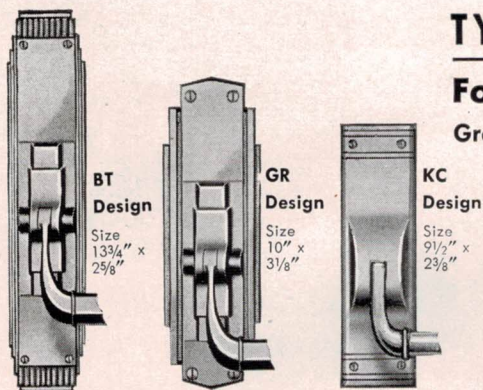
#### Meeting Stile for Two Vertical Rod Combinations



The Von Duprin or split type of astragal as shown below must be used. If no astragal is used the doors must have "V" or divergent bevels to permit each door to operate independently. It is recommended that the Von Duprin Compensating Type of astragal be used and applied with Von Duprin Compensating Astragal Hardware (see page 8).

Note that minimum width of stile is determined by size of outside trim.





AVAILABLE MODERN DESIGNS IN CROSSBAR  
ESCUTCHEONS FOR USE ON TYPE S

## TYPE S CONCEALED

### For Hollow Metal Doors Only

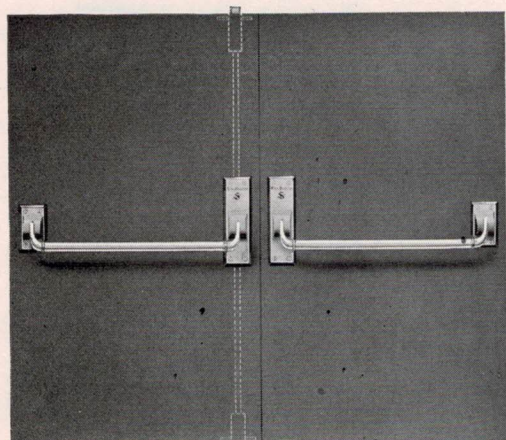
Gravity Action—All Brass or Bronze



#### General Description

This device is designed so that reinforcements, preparation and application are as simple as for surface applied devices. A slight pressure against the crossbar withdraws the bolts from their housings; there is a dogging feature at each end of crossbar. Crossbar tubing 1 in. O.D. Projection of crossbar, 2 3/4 in. neutral, 2 1/4 in. when depressed; **special** 2 5/8 in. neutral, 2 in. when depressed; top and bottom vertical rods 1/2 in. dia.; center case escutcheon 9 x 2 3/8 in.; end case escutcheon 5 x 2 3/8 in. over-all.

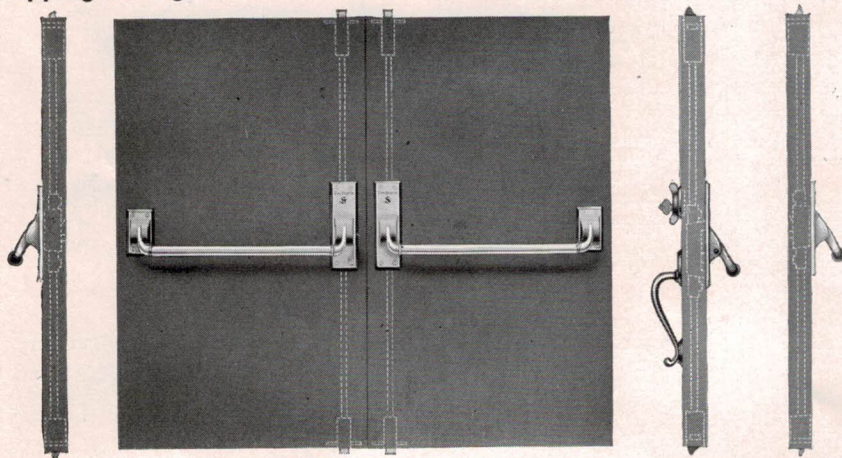
(Below) HOLLOW METAL DOORS IN PAIRS—with Overlapping Astragals and Hollow Metal Single Doors



13127S—INACTIVE DOOR  
Inside Elevation

ACTIVE DOOR 13724S NL13724S 13722S 13730S  
SINGLE DOOR 13124S NL13124S 13122S 13130S

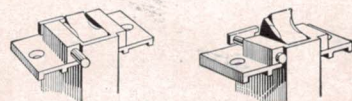
A TWO VERTICAL ROD COMBINATION for Double Doors Without Overlapping Astragals



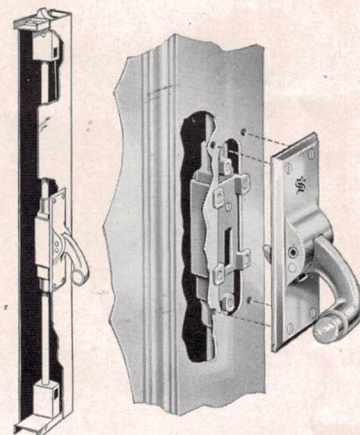
13127S ← INACTIVE DOOR Inside Elevation ACTIVE DOOR → FNL13123S 13127S

#### UNITS OF COMBINATIONS

COMBINATION	INACTIVE DOOR	ACTIVE DOOR
VERTICAL ROD AND MORTISE LOCK COMBINATION		
132	13127S	13724S
133	13127S	NL13724S
134	13127S	13722S
136S	13127S	13730S
TWO VERTICAL ROD COMBINATION		
FNL131S	13127S	FNL13123S
135S	13127S	13127S



Above—Top latch bolt with LR Feature where no threshold is used.



Above Right—Showing simplicity of preparing door and installing Von Duprin Type S concealed Device.

Note: It is important that doors must not be less than 1 3/4 in. thick to use this device.

**IMPORTANT NOTES**—For Two Vertical Rod combinations the meeting stiles should have divergent bevels. We suggest the use of split astragals and recommend the compensating type attached with Von Duprin compensating astragal hardware 1246 (see page 8).

★**Underwriters' labeled doors in pairs** require overlapping astragal, and a Vertical Rod and Mortise Lock Combination. Co-ordinating device is necessary to assure positive closing of doors. See Von Duprin No. 1243 Co-ordinator on page 8.

★**For Underwriters' labeled single doors and active leaf of doors in pairs**, a mortise lock with 3/4 in. throw latch is required and dogging feature must be omitted on all crossbars—specify by using the suffix 3/4 as 131273/4S.

**FOR SPECIFICATIONS**—Write us or call your nearest Von Duprin Representative. For list see front page of this catalog.

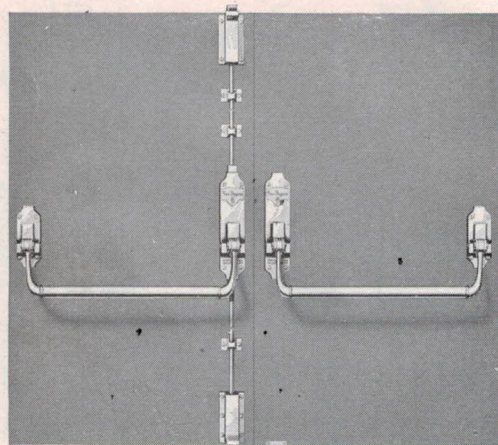


# Von Duprin Self Releasing Fire Exit Devices

## UNDERWRITERS LISTED DEVICES FOR LABELED DOORS — In Class B, C, D, & E Situations

The Following Devices are listed by the Underwriters' laboratories for Fire Protection in all institutional, commercial and industrial installations where panic exit devices are necessary. Mortise locks have specially constructed latch bolts with  $\frac{3}{4}$  in. throw and all dogging features are omitted on crossbars. For pairs of doors, a co-ordinator is essential to assure positive closing of doors. (See Von Duprin Co-ordinator 1243 on this page.) Below is listed the numbers indicating types B<sup>2</sup> and X qualities. For B<sup>2</sup> and X structural qualities see pages 5 and 6.

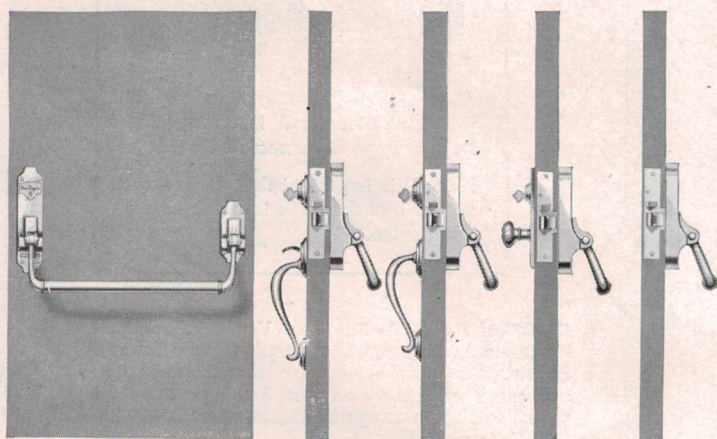
### Vertical Rod and Mortise Lock Combination for Double Doors



1127 $\frac{3}{4}$ B<sup>2</sup>—INACTIVE DOOR  
23127 $\frac{3}{4}$ X

ACTIVE DOOR  
See Edge Views Below

### Single Door or Active Door of Double Doors



Inside Elevation

SINGLE DOOR

1124 $\frac{3}{4}$ B<sup>2</sup> NL1124 $\frac{3}{4}$ B<sup>2</sup> 1122 $\frac{3}{4}$ B<sup>2</sup> 1130 $\frac{3}{4}$ B<sup>2</sup>  
23124 $\frac{3}{4}$ X NL23124 $\frac{3}{4}$ X 23122 $\frac{3}{4}$ X 23130 $\frac{3}{4}$ X

ACTIVE DOOR OF DOUBLE DOORS

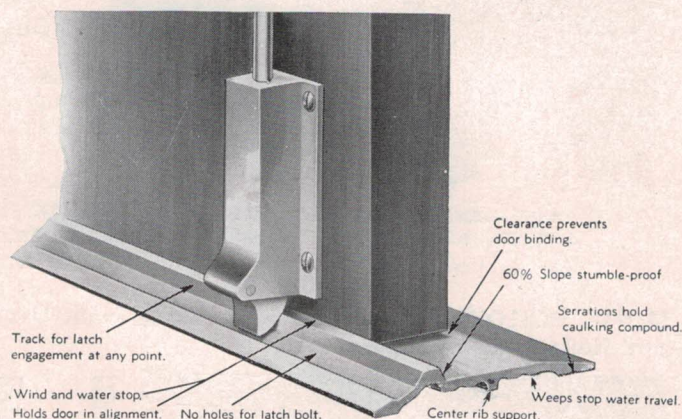
1724 $\frac{3}{4}$ B<sup>2</sup> NL1724 $\frac{3}{4}$ B<sup>2</sup> 1722 $\frac{3}{4}$ B<sup>2</sup> 1730 $\frac{3}{4}$ B<sup>2</sup>  
23724 $\frac{3}{4}$ X NL23724 $\frac{3}{4}$ X 23722 $\frac{3}{4}$ X 23730 $\frac{3}{4}$ X

### Special $\frac{3}{4}$ Inch Throw Latch Bolt

Approved for Underwriters' Labeled doors and included with the Von Duprin devices listed above.

## AUXILIARY PRODUCTS

### Von Duprin All-Weather LATCH-TRACK Threshold



No. 12390 Extruded Bronze

No. AL12390 Extruded Aluminum

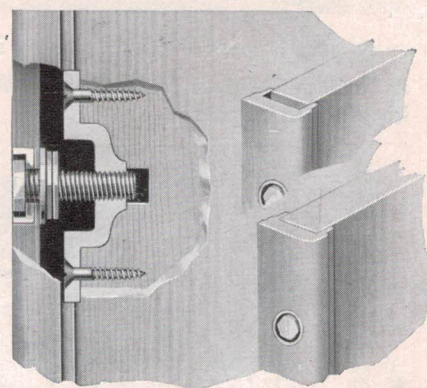
### Another Creation by Von Duprin.

#### The Improved All-Weather Threshold.

No more detailing of holes or strikes for bottom latch bolts. The "Latch-Track" built into this threshold permits latching at any point, preserving all the advantages of the universally approved All-Weather Threshold. This threshold can be furnished with matching cast cover plates when single action Rixson checking floor hinges with offset pivots are used.

### Von Duprin Compensating Astragal Hardware No. 1246 (all brass)

For use on double doors when each door is operating independently of the other, and equipped with vertical rod panic exit devices. This hardware permits adjustment of astragal to compensate for shrinkage and expansion of doors. Astragals should be specified with the doors. Details furnished on request.

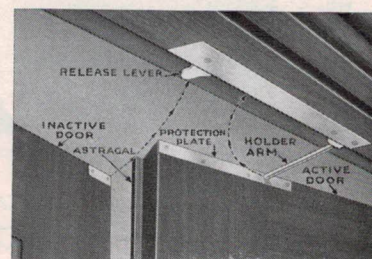


### Von Duprin Cast Bronze Co-Ordinator—No. 1243

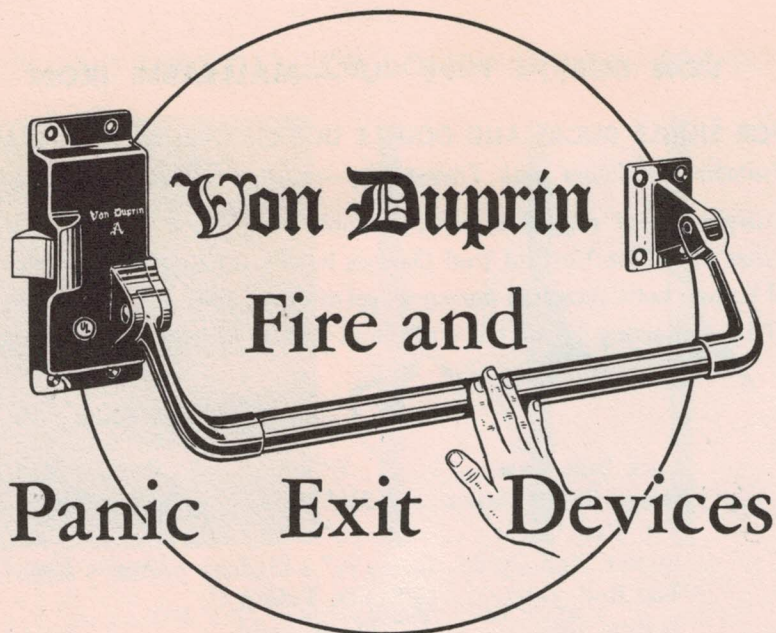
A co-ordinating, interference or controlling device for double doors with overlapping astragal or rabbeted face doors to insure the closing of the inactive door before the active door closes.

Applied to Soffit: Inside of doors—can be mortised flush into stop, or surface mounted. Reversible: Will fit regardless of which door is active. Size of Case: 1 $\frac{1}{2}$  in. wide, 13 in. long,  $\frac{5}{8}$  in. thick. Holder Arm: 7 $\frac{1}{2}$  in. long—can be cut to proper length on job. In cutting arm make same  $\frac{1}{2}$  in. shorter than required length, then drive in the special bullet nosed tip.

How Operated: Active door is held open by holder Arm until inactive door engages the Release Lever. This causes Holder Arm to travel into the case of the device and permits the active door to close only after the inactive door has first closed.



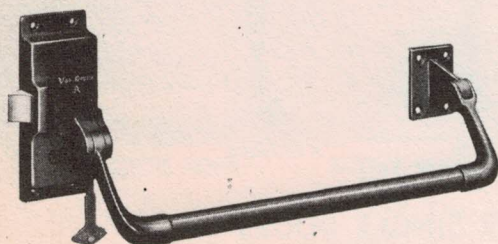




# VON DUPRIN DIVISION—VONNEGUT HARDWARE CO. INDIANAPOLIS 9, INDIANA

## TYPE A MALLEABLE IRON RIM DEVICES

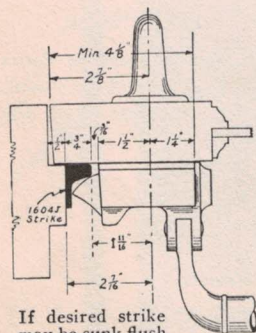
For Single Doors or for Double Doors with Mullions or  
for Active Leaf of Double Doors with Overlapping Astragals (See page 4.)



### ALL DEAD BLACK FINISH

Not reversible—specify RHRB or LHRB.

Can be used on doors as thin as  $1\frac{1}{4}$  in. with stiles as narrow as 4 in. Especially suitable where door is too thin for mortise lock device.

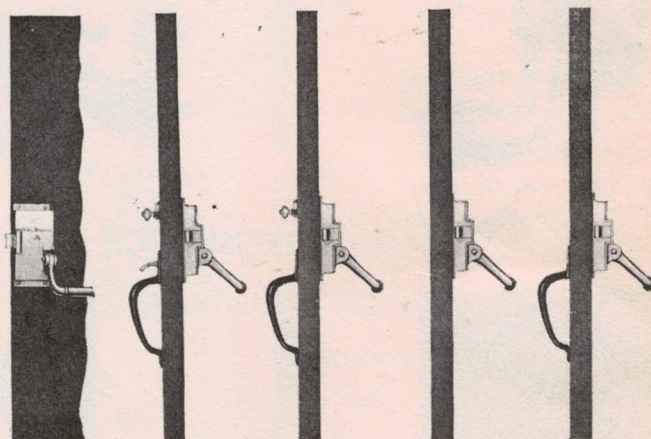


If desired strike may be sunk flush into stop

Lock Case..... $7'' \times 2\frac{3}{4}''$   
Hinge Stile Bracket..... $2\frac{5}{8}'' \times 1\frac{3}{4}''$   
Cross Bar, Steel..... $\frac{7}{8}''$  O.D.  
Crossbar projection, neutral..... $5''$   
Crossbar projection, depressed... $4''$   
Latch Bolt, Hinged Pullman..... $\frac{3}{4}''$  throw  
Dogging Feature in Lock Case  
For description of O.S. Trim, see page 2.

### (Left) LOCK STILE DETAIL

When ordered for active leaf of double doors, No. 1609J strike is furnished. See page 4 for detail.



Device No. ➡	9036A	NL9036A	9038A	9038A-DT
O.S. Trim Used	7620R	NL7620R	.....	NL7620R

No. 9036A Latch Bolts are operable from inside by crossbar at all times—from outside by thumb piece (except when same is set by key through outside cylinder). When crossbar is dogged, door is push and pull.

No. NL9036A Latch Bolts are operable from inside by crossbar at all times—from outside by key only. When crossbar is dogged, door is push and pull.

No. 9038A Latch Bolts are operable only from inside by crossbar.

No. 9038A-DT Latch Bolts are operable only from inside by crossbar—when crossbar is dogged, door is push and pull.



## VON DUPRIN TYPE "U"—MALLEABLE IRON

### FOR SINGLE DOORS AND DOUBLE DOORS—OPENING OUTWARD

*Suitable for Doors with Thresholds,—or Doors Without Thresholds*

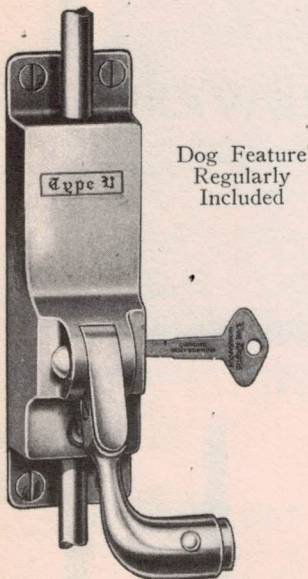
Especially designed for rugged service; operable from inside at all times by a slight push against the cross bar. The Vertical Rod Devices have retractor feature which automatically holds top and bottom bolts retracted during travel of door; when door is closed, automatic trip releases itself by contacting lip of top strike and permits bolt heads to engage their strikes.

#### All Dead Black Finish

Lock Stile Case.....8" x 2 $\frac{1}{4}$ "  
Hinge Stile Bracket.....2 $\frac{5}{8}$ " x 1 $\frac{3}{4}$ "  
Top Rod Guide.....7 $\frac{7}{8}$ " x 3 $\frac{3}{8}$ "  
Bottom Rod Guide.....7 $\frac{7}{8}$ " x 2 $\frac{1}{2}$ "  
Top Rod.....1 $\frac{1}{2}$ " O.D. Tubing  
Bottom Rod.....1 $\frac{1}{2}$ " Diam. Solid  
Cross Bar.....7 $\frac{7}{8}$ " O.D. Tubing  
Cross bar—to bottom of door 36 $\frac{1}{4}$ "  
Cross-Bar Projection  
when neutral.....4 $\frac{3}{4}$ "  
when depressed.....3 $\frac{3}{4}$ "

Vertical Rod Devices.....Reversible  
Cross Bar Assemblies.....Reversible  
Mortise Locks.....Not Reversible  
Double Arm Devices..Not Reversible

Can be furnished knocked down  
for fitting to doors up to 3'-6"  
x 7'-6"



#### STANDARD OUTSIDE TRIMS

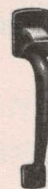
##### STRIKES FOR VERTICAL ROD DEVICES



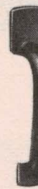
2295U—Soffit



2243L—Sill



7620R

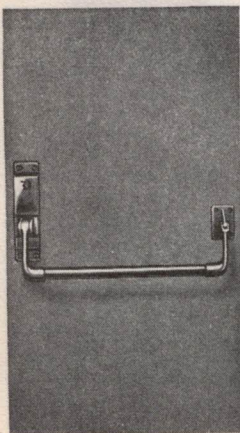


NL7620R



2580

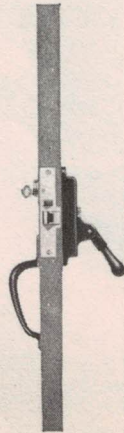
#### MORTISE LOCK DEVICES—FOR SINGLE DOORS



Device No.  
Lock Used  
O.S. Trim Used



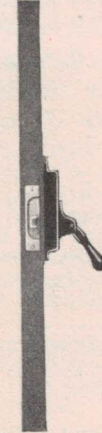
91124U  
24  
7620R



NL91124U  
NL24  
NL7620R



91130U  
2430  
.....



91129 1/2 U  
29R  
.....

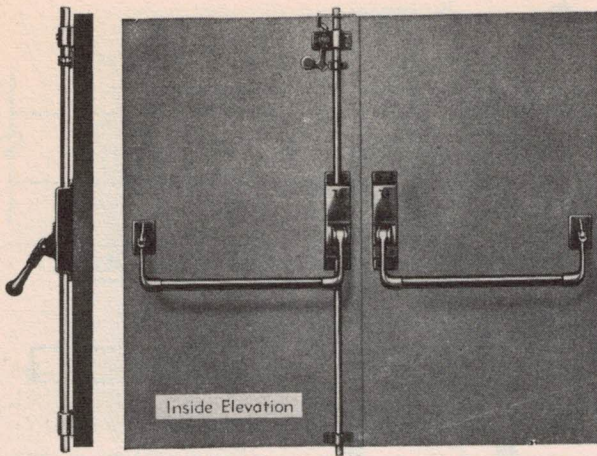
For doors not less than  
1 $\frac{3}{4}$  in. thick—with stiles  
not less than 4 $\frac{1}{2}$  in. wide.

##### No. 91129 1/2 U

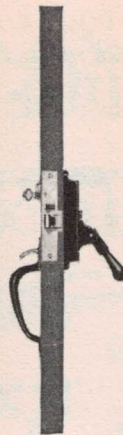
May be used on doors  
as thin as 1 $\frac{3}{8}$  in.—with  
stiles not less than 4 $\frac{1}{2}$   
in. wide.



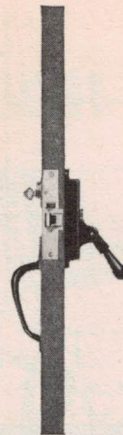
## MORTISE LOCK AND VERTICAL ROD COMBINATIONS—FOR DOUBLE DOORS



91127U ← INACTIVE DOOR      ACTIVE DOOR →  
Lock Used  
O.S. Trim Used



91724U  
24  
7620R

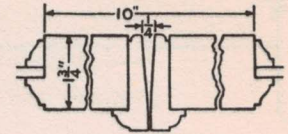


NL91724U  
NL24  
NL7620R



91730U  
2430  
.....

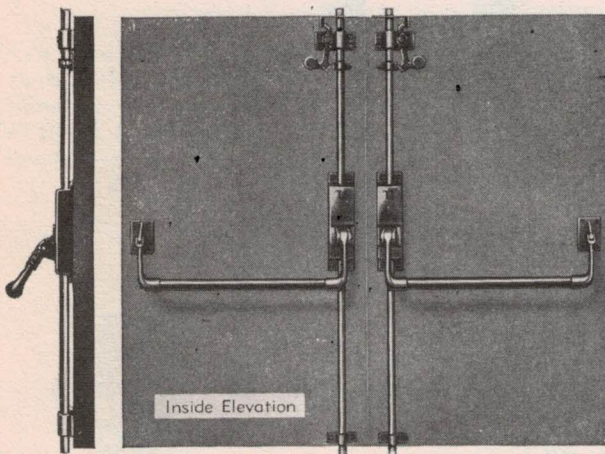
For doors not less than 1 3/4 in. thick—with stiles not less than 4 1/2 in. wide.



VON DUPRIN or Split type of astragal most satisfactory.

When an overlapping astragal is used, then a Coordinating Device should be used. We recommend our No. 9234.

## TWO-VERTICAL ROD COMBINATIONS—SURFACE APPLIED—FOR DOUBLE DOORS



91127U ← INACTIVE DOOR      ACTIVE DOOR →  
Function No.  
O.S. Trim Used



91123U  
23  
2580



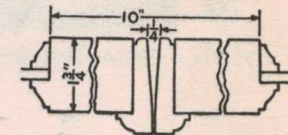
FNL91123U  
FNL23  
NL2620R



91127U  
27  
.....

Can be used on doors as thin as 1 1/4 in.—with stiles as narrow as 3 inches.

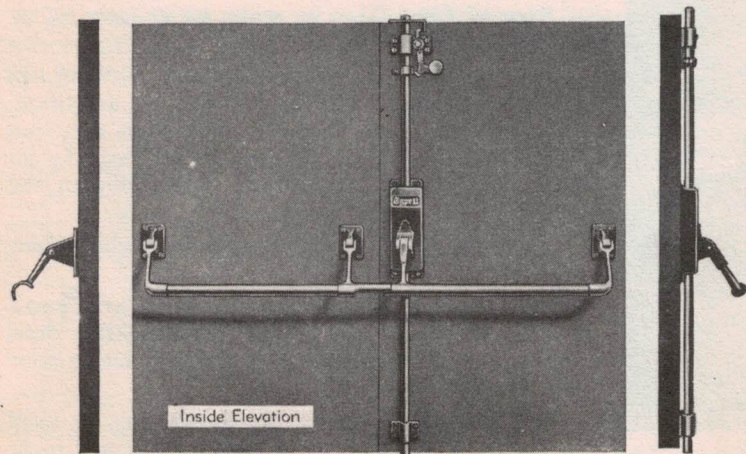
INSIDE OF DOORS



VON DUPRIN or Split type of astragal must be used.

Any of these Active Door Devices may be used on single doors.

## NO. 91172U DOUBLE ARM DEVICE—FOR DOUBLE EMERGENCY EXIT DOORS ONLY



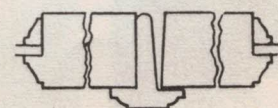
← INACTIVE DOOR      ACTIVE DOOR →

DOG FEATURE NOT INCLUDED

Can be used where each door is as narrow as 1'-6"—as thin as 1 1/4 in., stiles may be as narrow as 3 in.

Overlapping Astragal must be used on outside of Active Door.

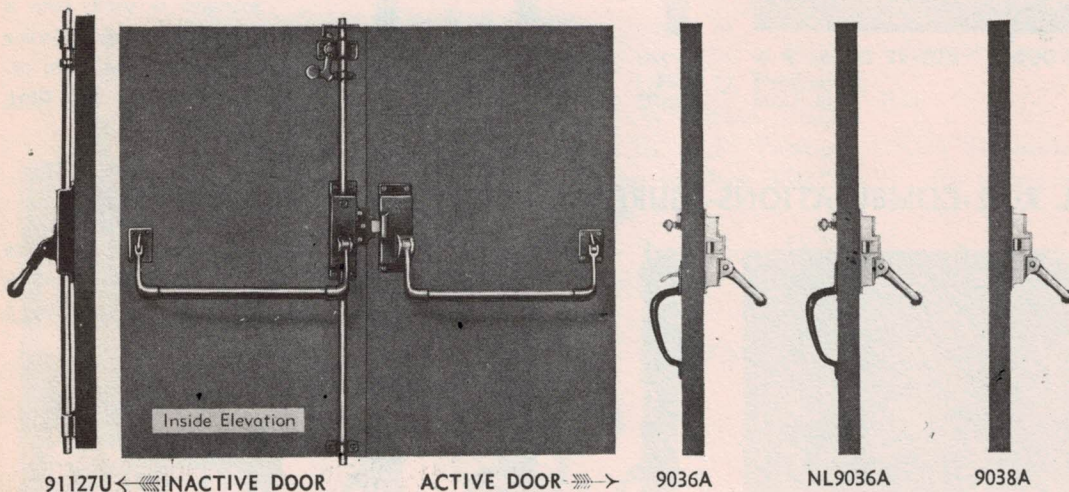
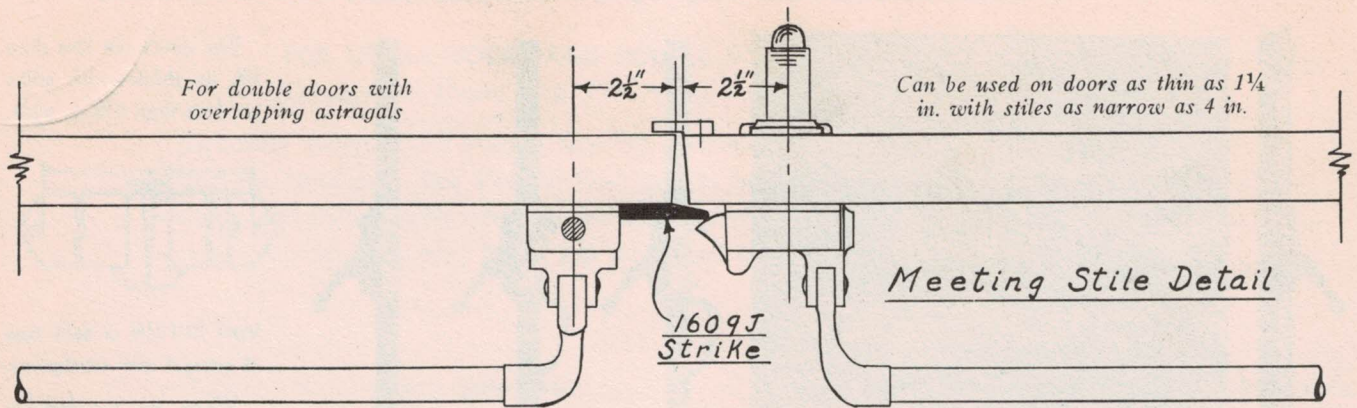
INSIDE OF DOORS



—Detail of Astragal Required—  
Note:—Bevels must be divergent



## VON DUPRIN RIM LOCK AND VERTICAL ROD COMBINATIONS



For description of inactive door device see pages 3 and 4.

For description of active door device see page 1.

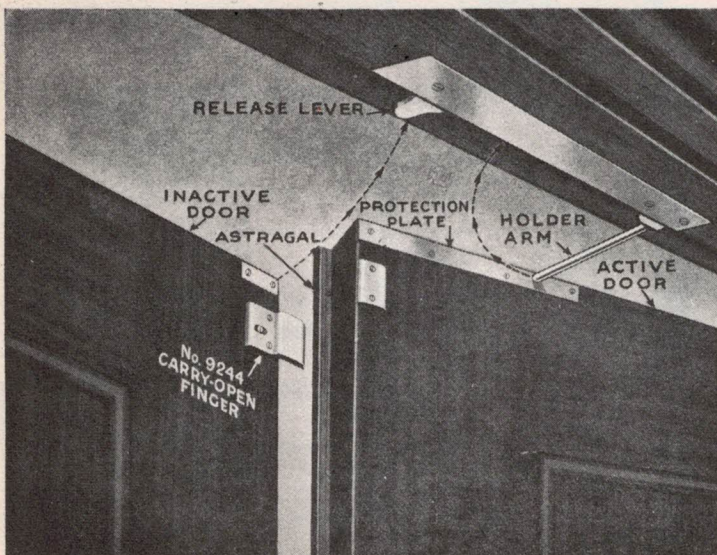
When doors are equipped with door closers then a coordinating device should be used. We recommend our No. 9243.

## NO. 9243 COORDINATING DEVICE

FOR CONTROLLING DOUBLE DOORS WITH OVERLAPPING ASTRAGAL OR RABBETED FACE DOORS

\$30.80 each

Approved by Underwriters' Laboratories for use on pairs of doors in Class A, B, C, D and E Situations.



Active door is held open by Holder Arm until inactive door engages the Release Lever. This causes Holder Arm to travel into the case of the device and permits the active door to close only after the inactive door has first closed

### Malleable Iron—Dead Black Finish

Applied to Soffit—Inside of doors—can be mortised flush into stop, or surface mounted on stop as desired.

Size of Case—1 1/2 in. wide, 13 in. long, 5/8 in. thick.

Holder Arm—Is furnished 7 1/2 in. long—to be cut to proper length on job to meet condition. If cut off too short in error, new arms only can be furnished. In cutting arm make same 1/2 in. shorter than required length, then drive in the special bullet nosed tip.

Reversible—Will fit regardless of which door is active.

For Proper Operation—Holder Arm must be cut off for correct length to hold active door open just far enough to permit the inactive door to clear.

No. 9244 Carry Open Finger—Must be used so latch bolt on active door does not prevent inactive door from closing.